## WY - ECS - 40B July 2000 Page 1

## Water Erosion Prediction Revised Universal Soil Loss Equation A = RKLSCP

Cooperator:						K <sub>f</sub> :		Hydrologic	ologic Group:				
Date:		Planner:			EI <sub>10:</sub>								
Field:				Tillage a	nd Timing: _								
R Cald	culation	l k	Calculation	•		1	S Calculatio	an .		<u> </u>	C Cald	culation	
I Cal	Req	K Factor	Calculation	Adj.		<u> </u>	If Cmplx			C Factor	C Cail	C Calculation	
R Value	Value	Zone	Adjust K			Slope	Slope	Used	Value	Zone			If Multiyr. Rotation
Figure 2		Figure 5	Yes/No		Slope (%)		See Pg. 3		Table 4-7		Crop	С	See Pg. 3
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													1
Notes:													
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## Water Erosion Prediction Revised Universal Soil Loss Equation A = RKLSCP

P Calculation - See Pg. 3 for Contour Subfactors							Soil L	oss (A) = R	XKXLSX	СхР			
Contour	Stripcrop		Drain	Overall		R or		Length	%				Soil Loss
P Factor	P Factor	P Factor		P Factor		Req	K	Slope	Slope	LS	С	Р	Α
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Notes:	

Complex Slope Calculation									
			Slope						
			Length	Soil Loss					
Segment	Gradient	LS	Exponent	Factor	LS For				
Number	Percent	Tables 4/5	Table 8	Table 9	Segment				
				Total LS =					
				Avg. LS =					

Multiyear C Factor Calculation									
Year	C Factor								
		1							
		ľ							
		•							
		•							
		•							
Total		1							

Avg. C

	P Subfactor Values for Contouring								
Soil	Row/	Landscape		Cover Mgt	Ridge	P Factor	Ratio of	Contour	
Hydrolog.	Furrow	Slope	EI <sub>10</sub>	Condition	Height	On-Grade	Furrow to	P Value	
Group	Grade	Percent	Figure 8	Table 13	Table 14	D64-D119	Slope	Table 15	

Critical Slope Length Determination								
Site	Critical	P Adj. If						
Slope	Slope	Slope >						
Length	Length	Critical						
(From LS)	Fig 1 - 35	Fig 36 - 38						
			·					